

| <b>L<br/>Number</b> | <b>Hits</b> | <b>Search Text</b>  | <b>DB</b>                                   | <b>Time stamp</b>   |
|---------------------|-------------|---|---|---------------------|
| 1                   | 9           | "997693"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>13:42 |
| 2                   | 1           | "997693"  | US-PGPUB                                    | 2004/01/08<br>13:42 |
| 3                   | 7           | phosphotunstic  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>13:42 |
| 4                   | 1752        | phosphotungstic   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>13:42 |
| 5                   | 83          | phosphotungstic and electrolyte   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>13:58 |
| 6                   | 6           | zintex  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:08 |
| 7                   | 6725        | pta phosphotunstic  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:08 |
| 8                   | 0           | (pta phosphotunstic ) with (nafion) with (ptfe<br>teflon polytetrafluorethylene)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:08 |
| 9                   | 14          | (pta phosphotunstic ) with (ptfe teflon<br>polytetrafluorethylene)                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:08 |
| 10                  | 0           | (pta phosphotungstic ) with (nafion) with (ptfe<br>teflon polytetrafluorethylene) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:09 |
| 11                  | 0           | (phosphotungstic ) same (nafion) same (ptfe<br>teflon polytetrafluorethylene)     | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:09 |
| 12                  | 3988        | nafion  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:09 |
| 13                  | 8378        | pta phosphotungstic   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:09 |

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| 14 | 12     | (pta phosphotungstic ) same nafion  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:10 |
| 15 | 1      | "997693" and phosphotungstic  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:28 |
| 16 | 1      | "997693" and phosphotungsti   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:29 |
| 17 | 1      | "997693" and phosphotungst\$3   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:29 |
| 18 | 14     | ((("5992008") or ("5945231") or ("5773162") or ("5559638") or ("5573866") or ("4420544") or ("5795496"))).PN. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:40 |
| 19 | 183972 | hydrophilic   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:40 |
| 20 | 167696 | hydrophobic   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:40 |
| 21 | 58987  | hydrophilic same hydrophobic  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:40 |
| 22 | 882    | (hydrophilic same hydrophobic) same electrolyte   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:40 |
| 23 | 8      | ((hydrophilic same hydrophobic) same electrolyte) and (peek polyetheretherketone)                             | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:49 |
| 24 | 3      | nafion with zirconium with hydrogen with phosphate\$1   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:56 |
| 25 | 164185 | teflon ptfe polytetrafluoroethylene   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:38 |
| 26 | 3512   | (teflon ptfe polytetrafluoroethylene) near1 expanded  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:57 |

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| 27 | 3308  | ((teflon ptfe polytetrafluoroethylene) near1 expanded) not electrolyte   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:57 |
| 28 | 204   | ((teflon ptfe polytetrafluoroethylene) near1 expanded) not (((teflon ptfe polytetrafluoroethylene) near1 expanded) not electrolyte)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:57 |
| 29 | 36    | (((teflon ptfe polytetrafluoroethylene) near1 expanded) not (((teflon ptfe polytetrafluoroethylene) near1 expanded) not electrolyte)) and (tungsten phosphotungst\$5)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>14:58 |
| 30 | 144   | (((teflon ptfe polytetrafluoroethylene) near1 expanded) not (((teflon ptfe polytetrafluoroethylene) near1 expanded) not electrolyte)) same (membrane electrolyte)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:02 |
| 31 | 118   | ((((teflon ptfe polytetrafluoroethylene) near1 expanded) not (((teflon ptfe polytetrafluoroethylene) near1 expanded) not electrolyte)) same (membrane electrolyte)) not (((teflon ptfe polytetrafluoroethylene) near1 expanded) not (((teflon ptfe polytetrafluoroethylene) near1 expanded) not electrolyte)) and (tungsten phosphotungst\$5)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:03 |
| 32 | 26    | "0206884"  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:23 |
| 33 | 1     | "997693" and third   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:27 |
| 34 | 1     | "997693" and mechanically  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:28 |
| 35 | 333   | (teflon ptfe polytetrafluoroethylene) near5 (nafion sulfonic perfluorosulfonic)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:43 |
| 36 | 4     | ((teflon ptfe polytetrafluoroethylene) near5 (nafion sulfonic perfluorosulfonic)) and phosphotungstic  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:42 |
| 37 | 6     | ((teflon ptfe polytetrafluoroethylene) near2 binder) near5 (nafion sulfonic perfluorosulfonic)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:44 |
| 38 | 10675 | peek polyetheretherketone  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:44 |

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| 39 | 2428   | polybenzimidazole  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:45 |
| 40 | 0      | polybenzimidazole with ((teflon ptfe<br>polytetrafluoroethylene) near1 expanded)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>15:45 |
| 41 | 17     | (peek polyetheretherketone) with ((teflon ptfe<br>polytetrafluoroethylene) near1 expanded)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:03 |
| 42 | 177    | ((peek polyetheretherketone)<br>polybenzimidazole) near5 (electrolyte<br>membrane)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:03 |
| 43 | 76     | ((peek polyetheretherketone)<br>polybenzimidazole) near5 (electrolyte<br>membrane)) not electrolyte  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:03 |
| 44 | 101    | ((peek polyetheretherketone)<br>polybenzimidazole) near5 (electrolyte<br>membrane)) not (((peek<br>polyetheretherketone) polybenzimidazole)<br>near5 (electrolyte membrane)) not<br>electrolyte) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:03 |
| 45 | 63     | ((peek polyetheretherketone)<br>polybenzimidazole) near5 (electrolyte<br>membrane)) not (((peek<br>polyetheretherketone) polybenzimidazole)<br>near5 (electrolyte membrane)) not<br>electrolyte) | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:14 |
| 46 | 839    | (proton ionic ionomer) near2 (strip strap tile<br>piece block member)  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:40 |
| 47 | 3088   | ((teflon ptfe polytetrafluoroethylene)) near2<br>(strip strap tile piece block member)   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:14 |
| 48 | 3      | ((proton ionic ionomer) near2 (strip strap tile<br>piece block member)) and (((teflon ptfe<br>polytetrafluoroethylene)) near2 (strip strap<br>tile piece block member))                          | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:16 |
| 49 | 495635 | membrane electrolyte ionomer   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:16 |
| 50 | 176    | (membrane electrolyte ionomer) same<br>(((teflon ptfe polytetrafluoroethylene) near5<br>(nafion sulfonic perfluorosulfonic)))  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:36 |
| 51 | 7      | (sulfonic perfluorosulfonic nafion) near2<br>substitut\$4 near2 (ptfe tfe teflon<br>polytetrafluoroethylene)   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:38 |
| 52 | 269    | substitut\$4 near2 (ptfe tfe teflon<br>polytetrafluoroethylene)  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:38 |

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| 53 | 253 | (substitut\$4 near2 (ptfe tfe teflon polytetrafluoroethylene)) not (fuel adj (cell cells stack))  | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:38 |
| 54 | 16  | (substitut\$4 near2 (ptfe tfe teflon polytetrafluoroethylene)) not ((substitut\$4 near2 (ptfe tfe teflon polytetrafluoroethylene)) not (fuel adj (cell cells stack)))   | USPAT;<br>EPO; JPO;<br>DERWENT              | 2004/01/08<br>16:40 |
| 55 | 447 | (proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:41 |
| 56 | 95  | (peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:46 |
| 57 | 447 | ((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:46 |
| 58 | 172 | ((((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))) not (mea electrolyte ionomer proton)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:46 |
| 59 | 275 | ((((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))) not (((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member)))) not (mea electrolyte ionomer proton)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:46 |
| 60 | 243 | ((((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))) not (mea electrolyte ionomer)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/01/08<br>16:46 |

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| 61 | 172 | <p>(((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))) not (((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))) not (((proton ionic ionomer nafion perfluorosulfonic sulfonic) near2 (mosaic slat slate strip strap tile piece member)) not ((peek polyetheretherketone\$1 (poly adj ether adj ether adj ketone\$1) polybenzimidazole\$1 polyvinyladine polyvinylidine) near2 (mosaic slat slate strip strap tile piece member))) not (mea electrolyte ionomer proton)))</p> | <p>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT</p> | <p>2004/01/08<br/>16:47</p> |
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